

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L2    | 1    | vanadate and lbo and mode\$1 and ((power with ratio) or efficiency) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:38 |
| L3    | 1    | vanadate and lbo and ((power with ratio) or efficiency)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:38 |
| L4    | 39   | vanadate and lbo and mode\$1 and ((power with ratio) or efficiency) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:51 |
| L5    | 7    | vanadate and lbo and multimode\$1                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:52 |
| L6    | 9    | vanadate and lbo and multi near3 mode\$1                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:53 |
| L7    | 47   | vanadate and lbo and efficiency                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:55 |
| L8    | 49   | vanadate and lbo and high near3 power\$2                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:56 |
| L9    | 5    | 8 not 7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:55 |
| L10   | 59   | vanadate and lbo  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR               | OFF     | 2004/12/13 05:56 |
| L12   | 1    | ("5446749").PN.   | US-PGPUB;<br>USPAT                                    | OR               | OFF     | 2004/12/13 06:48 |
| L13   | 2    | ((("5638388") or ("6287298"))).PN.                                  | US-PGPUB;<br>USPAT                                    | OR               | OFF     | 2004/12/13 07:14 |
| L14   | 91   | 372/1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2004/12/13 07:16 |

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| L15 | 0    | 14 and lbo and (vanadate or (nd:yvo))      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:16 |
| L16 | 0    | 14 and lbo and (vanadate or (nd :<br>yvo)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:15 |
| L17 | 0    | 14 and lbo                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:15 |
| L18 | 1007 | 372/9.ccls.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:16 |
| L19 | 0    | 18 and lbo and (vanadate or (nd:yvo))      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:16 |
| L20 | 3    | 18 and lbo                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:17 |
| L21 | 630  | 372/18.ccls.                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:18 |
| L22 | 11   | 21 and lbo                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:18 |
| L23 | 610  | 372/19.ccls.                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:19 |
| L24 | 7185 | 23and lbo                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:18 |

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| L25 | 14  | 23 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:19 |
| L26 | 620 | 372/21.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:23 |
| L27 | 104 | 26 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:23 |
| L28 | 6   | 27 and (vanadate or (nd:yvo)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:24 |
| L29 | 75  | nd:yvo                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:21 |
| L30 | 789 | 372/22.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:24 |
| L31 | 200 | 30 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:25 |
| L32 | 23  | 31 and (vanadate or (nd:yvo)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:30 |
| L33 | 662 | 372/25.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:26 |
| L34 | 19  | 33 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:26 |

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| L35 | 201 | 372/29.021.ccls.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:26 |
| L36 | 1   | 35 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:26 |
| L37 | 507 | 372/31.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:27 |
| L38 | 14  | 37 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:28 |
| L39 | 141 | 372/38.04.ccls.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:28 |
| L40 | 0   | 39 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:28 |
| L41 | 447 | 372/39.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:31 |
| L42 | 12  | 41 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:32 |
| L43 | 17  | 41 and (vanadate or (nd:yvo)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:31 |
| L44 | 305 | 372/53.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:31 |

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| L45 | 1    | 44 and (vanadate or (nd:yvo)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:33 |
| L46 | 698  | 372/69.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:33 |
| L47 | 21   | 46 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:35 |
| L48 | 981  | 372/70.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:34 |
| L49 | 32   | 48 and (vanadate or (nd:yvo)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:35 |
| L50 | 74   | 372/73.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:35 |
| L51 | 0    | 50 and (vanadate or (nd:yvo)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:35 |
| L52 | 0    | 50 and lbo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:36 |
| L53 | 1499 | 372/92.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:37 |
| L54 | 26   | 53 and (vanadate or (nd:yvo)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:38 |

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| L55 | 52   | 53 and lbo   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:38 |
| L56 | 1233 | 372/99.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:38 |
| L57 | 15   | 56 and (vanadate or (nd:yvo))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:38 |
| L58 | 24   | 56 and lbo   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/13 07:38 |
| S1  | 2    | ((("4884277") or ("5180378"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2003/06/16 12:21 |
| S2  | 7    | ((("4884277") or ("5180378") or<br>("5253102") or ("5446749") or<br>("5511085") or ("5638388") or<br>("5991317"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2003/01/14 13:06 |
| S3  | 1    | "4656635".PN.  | USPAT   | OR | OFF | 2003/01/14 13:40 |
| S4  | 1    | "4701929".PN.  | USPAT   | OR | OFF | 2003/01/14 13:41 |
| S5  | 1    | "4884277".PN.  | USPAT   | OR | OFF | 2003/01/14 13:41 |
| S6  | 1    | "4951294".PN.  | USPAT   | OR | OFF | 2003/01/14 13:41 |
| S7  | 1    | "5170409".PN.  | USPAT   | OR | OFF | 2003/01/14 13:42 |
| S8  | 1    | "5164947".PN.  | USPAT   | OR | OFF | 2003/01/14 13:42 |
| S9  | 1    | "5151909".PN.  | USPAT   | OR | OFF | 2003/01/14 13:42 |
| S10 | 1    | "5136597".PN.  | USPAT   | OR | OFF | 2003/01/14 13:42 |
| S11 | 1    | "5052815".PN.  | USPAT   | OR | OFF | 2003/01/14 13:42 |
| S12 | 1512 | lbo and "nd:yvo" and laser (power<br>near watt)  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2003/04/03 14:07 |
| S13 | 0    | (lbo and "nd:yvo" and laser (power<br>near watt)) and 372/21.ccls.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2003/04/03 14:07 |
| S14 | 8    | (lbo and "nd:yvo" and laser (power<br>near watt)) and 372/22.ccls.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2003/04/03 14:08 |
| S15 | 496  | baer.in.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2003/04/03 15:35 |
| S16 | 82   | baer.in. and laser   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2003/04/03 15:35 |

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| S17 | 32 | (baer.in. and laser) and "372"/\$.ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 15:43 |
| S18 | 86 | intracavity near doubled  | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 16:14 |
| S19 | 26 | (intracavity near doubled) and (diode near (laser or pump\$2)) and watts                    | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 16:53 |
| S20 | 1  | (intracavity near doubled) and (diode near (laser or pump\$2)) and watts and nd:yvo and lbo | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 16:38 |
| S21 | 1  | (intracavity near doubled) and (diode near (laser or pump\$2)) and nd:yvo and lbo           | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 16:38 |
| S22 | 1  | (intracavity near doubled) and nd:yvo and lbo   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 16:39 |
| S23 | 4  | (diode near laser) and nd:yvo and lbo   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 16:39 |
| S24 | 5  | nd:yvo and lbo  | US-PGPUB;<br>USPAT           | OR | OFF | 2004/12/12 20:20 |
| S25 | 1  | (intracavity near doubled) and 372/18.ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 16:54 |
| S26 | 11 | (intracavity near doubled) and 372/19.ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 17:03 |
| S27 | 7  | (intracavity near doubled) and 372/41.ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 17:05 |
| S28 | 0  | (intracavity near doubled) and 372/38.04.ccls.  | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 17:06 |
| S29 | 3  | (intracavity near doubled) and 372/39.ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 17:07 |
| S30 | 6  | (intracavity near doubled) and 372/69.ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 17:14 |
| S31 | 21 | (intracavity near doubled) and 372/92.ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 17:16 |
| S32 | 9  | (intracavity near doubled) and 372/99.ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2003/04/03 17:16 |
| S33 | 1  | ("5446749").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/05/26 14:38 |
| S34 | 2  | ((("5446749") or ("5301059"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/05/26 14:38 |
| S35 | 1  | ("5265115").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/06/16 07:29 |
| S36 | 2  | ((("5265115") or ("5301059"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/06/16 07:46 |

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| S37 | 1  | ("5446749").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2003/06/16 07:46 |
| S38 | 2  | "61234636"  | EPO; JPO;<br>DERWENT                                  | OR | OFF | 2003/06/16 12:21 |
| S39 | 1  | ("5265115").PN.   | US-PGPUB;<br>USPAT                                    | OR | OFF | 2004/11/23 14:53 |
| S40 | 22 | ((multi near3 mode\$1) or multimode\$1) and solid near3 state near3 laser and lbo and optical near3 efficien\$3 and output near3 power      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2004/12/12 20:03 |
| S41 | 12 | ((multi near3 mode\$1) or multimode\$1) and solid near3 state near3 laser and lbo and power with ratio                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2004/12/12 20:04 |
| S42 | 0  | ((multi near3 mode\$1) or multimode\$1) and "nd:yvo" and lbo and power with ratio   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2004/12/12 20:05 |
| S43 | 0  | ((multi near3 mode\$1) or multimode\$1) and nd near3 yvo and lbo and power with ratio   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2004/12/12 20:05 |
| S44 | 12 | ((multi near3 mode\$1) or multimode\$1) and solid near3 state and lbo and power with ratio  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2004/12/12 20:10 |
| S45 | 5  | ("4618957"   "5025446"   "5027361"   "5144630"   "5278852").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2004/12/12 20:09 |
| S46 | 54 | ((multi near3 mode\$1) or multimode\$1) and solid near3 state and lbo and ((power with ratio) or (conversion near3 efficien\$3))            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2004/12/12 20:49 |
| S47 | 0  | nd:yvo and lbo and ((multi near3 mode\$1) or multimode\$1) and solid near3 state and ((power with ratio) or (conversion near3 efficien\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/12 20:20 |
| S48 | 0  | nd:yvo and lbo and ((multi near3 mode\$1) or multimode\$1) and ((power with ratio) or (conversion near3 efficien\$3))                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/12 20:21 |
| S49 | 8  | nd:yvo and lbo  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/12 20:22 |



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| S50 | 1  | S49 and ((multi near3 mode\$1) or multimode\$1) and ((power with ratio) or (efficien\$3))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/12 20:21 |
| S51 | 4  | ("4961195"   "5123022"   "5144630"   "5206868").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2004/12/12 20:46 |
| S52 | 10 | ((multi near3 mode\$1) or multimode\$1) and vanadate and lbo and ((conversion or high) near3 efficien\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2004/12/12 20:50 |